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PTO/SB/21 (08-03)

Approved for use through 8/30/2003. OMB 0651-0031

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	09/909,049
		Filing Date	July 18, 2001
		First Named Inventor	Suresh Katukam
		Group Art Unit	2153
		Examiner Name	Philip Chea
Total Number of Pages in This Submission		Attorney Docket Number	CISCP694

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Replacement Drawings (2 sheets showing corrections and 2 replacement sheets) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Return Postcard <input type="checkbox"/> Other Enclosure(s) (please identify below):
		<input type="checkbox"/> Remarks
		The Commissioner is authorized to charge any additional fees to Deposit Account 50-1652.
		In response to the Office Action mailed September 17, 2004, please make the enclosed of record.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm and Individual name	RITTER, LANG & KAPLAN LLP Peggy A. Su	Reg. No. 41,336
Signature		
Date	October 21, 2004	

CERTIFICATE OF MAILING

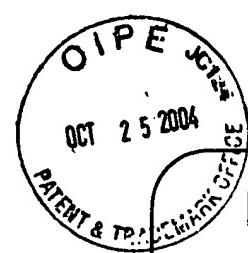
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October 21, 2004

Typed or printed name	Diane Elzingre	Date	October 21, 2004
Signature			

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FEE TRANSMITTAL for FY 2003

Effective 01/01/03. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)
160

Complete if Known	
Application Number	09/909,049
Filing Date	July 18, 2001
First Named Inventor	Suresh Katukam
Examiner Name	Philip J. Chea
Group Art Unit	2153
Attorney Docket No.	CISCP694

METHOD OF PAYMENT (check all that apply)

<input checked="" type="checkbox"/> Check	<input type="checkbox"/> Credit Card	<input type="checkbox"/> MoneyOrder	<input type="checkbox"/> Other	<input type="checkbox"/> None
<input checked="" type="checkbox"/> Deposit Account:				
Deposit Account Number	50-1652			
Deposit Account Name	Ritter, Lang & Kaplan LLP			

The Commissioner is authorized to: (check all that apply)

<input type="checkbox"/> Charge fee(s) indicated below	<input checked="" type="checkbox"/> Credit any overpayments
<input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application	<input type="checkbox"/>
<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$0)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Claims	Extra	Fee from below	Fee Paid
Total Claims	38	-34**	= 4 X 18 =	72
Independent Claims	7	-6**	= 1 X 88 =	88
Multiple Dependent			X [] =	

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
1202 18	2202 9	Claims in excess of 20
1201 88	2201 44	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$160)

FEE CALCULATION (continued)			
3. ADDITIONAL FEES		Fee Description	
Large Entity	Small Entity	Fee Code (\$)	Fee Paid
1051	130	2051 65	Surcharge - late filing fee or oath
1052	50	2052 25	Surcharge - late provisional filing fee or cover sheet.
1053	130	1053 130	Non-English specification
1812	2,520	1812 2,520	For filing a request for reexamination
1804	920*	1804 920*	Requesting publication of SIR prior to Examiner action
1805	1,840*	1805 1,840*	Requesting publication of SIR after Examiner action
1251	110	2251 55	Extension for reply within first month
1252	420	2252 210	Extension for reply within second month
1253	950	2253 475	Extension for reply within third month
1254	1,480	2254 740	Extension for reply within fourth month
1255	2,010	2255 1,005	Extension for reply within fifth month
1401	330	2401 165	Notice of Appeal
1402	330	2402 165	Filing a brief in support of an appeal
1403	290	2403 145	Request for oral hearing
1451	1,510	1451 1,510	Petition to institute a public use proceeding
1452	110	2452 55	Petition to revive – unavoidable
1453	1,330	2453 665	Petition to revive – unintentional
1501	1,330	2501 665	Utility issue fee (or reissue)
1502	480	2502 240	Design issue fee
1503	640	2503 320	Plant issue fee
1460	130	1460 130	Petitions to the Commissioner
1807	50	1807 50	Petitions related to provisional applications
1806	180	1806 180	Submission of Information Disclosure Stmt
8021	40	8021 40	Recording each patent assignment per property (times number of properties)
1809	770	2809 385	Filing a submission after final rejection (37 CFR § 1.129(a))
1810	770	2810 365	For each additional invention to be examined (37 CFR § 1.129(b))
1801	770	2801 385	Request for Continued Examination (RCE)
1802	900	1802 900	Request for expedited examination of a design application
Other fee (specify) _____			

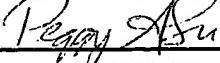
*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$0)

*or number previously paid, if greater; For Reissues, see above

SUBMITTED BY

Name (Print/Type)	Peggy A. Su	Registration No. (Attorney/Agent)	41,336	Telephone	(408) 446-8690
Signature				Date	October 21, 2004

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimate to take 12 minutes to complete, including gathering, preparing, and submitting this completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



2153
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CERTIFICATE OF MAILING	
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Signed:	Diane Elzingre
Diane Elzingre	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : 09/909,049 Confirmation No.: 8487
Applicant : Suresh Katukam et al.
Filed : July 18, 2001
TC/A.U. : 2153
Examiner : Philip J. Chea

Docket No. : CISCP694
Customer No. : 26541
Title : METHOD AND APPARATUS FOR COMPUTING A PATH IN
A SYSTEM WITH A NODAL AND LINK DIVERSE
CONSTRAINTS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT A

Sir:

In response to the Office Action of September 17, 2004, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Amendments to the Drawings begin on page 12 of this paper and include an attached replacement sheet(s).

Remarks/Arguments begin on page 13 of this paper.

An **Appendix** including amended drawing figures is attached following page 16 of this paper.